

Play: 6450 *Illinois Basin - Central Basin*

Province: 64 Illinois Basin

Geologist: Rice, D.D./Finn, T.M.

Play Type coalbed gas

Status: confirmed

Play Probability: 1.00

Cells: **Cell Size:** 80 acres 0.125 sq mi

Area of Play: 22,499 sq mi 179,992 cells

Productive Cells: 4 **Tested Nonproductive Cells:** 0

Untested Cells: minimum median maximum mean distribution
3,000 9,000 20,000 9,710 bell-shaped

Success Ratio for Untested Cell 0.70

EUR Distribution for Untested Cells (MMCFG):

<u>F100</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F0</u>	<u>mean</u>
20	40	110	230	330	500	600	240

<u>Depth (ft):</u>	<u>minimum</u>	<u>median</u>	<u>maximum</u>	<u>mean</u>
	500	1,200	3,000	1,368

Analog play: 6050 - *Cherokee Platform - Central Basin*

Play: 6450 *Illinois Basin - Central Basin*

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Net Thickness of Potentially Productive Coal (ft): mean maximum
30 42

Mean Number of Potentially Productive Coal Seams: 75

Mean Thickness of Potentially Productive Coal-Bearing Interva 650 ft

Total Dissolved Solid ppm

Water Disposal:

Gas Quality: C1% C2+% CO2% N2% Btu

Is there active underground coal mining? yes

Mined-Out Areas: 1,237 sq mi 5.0 %

Is compression needed for transmission?

Are coalbed gas wells generally stimulated in this plano

Potential Gas Reserve Additions (BCFG):

<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>mean</u>	<u>s.d.</u>
838.54	1,192.87	1,523.97	1,946.97	2,769.68	1,627.86	611.23